

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

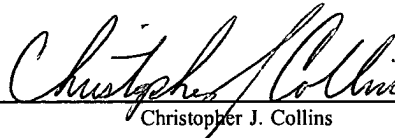
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Madhavi Krishnan, Victor Ugaz and Mark Burns for **Methods of Performing Biochemical Reactions in a Convective Flow Field**.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date **October 3, 2003** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV 329482625 US** addressed to: **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Christopher J. Collins

1. **Type Of Application**  
This new application is for a(n)  
☒ Original (nonprovisional)
2. **Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**  
70 Pages of Specification  
4 Pages of Claims  
1 Page of Abstract  
17 Sheets of Informal Drawings
3. **Declaration**  
☒ Enclosed  
☒ Unexecuted.
4. **Inventorship Statement**  
The inventorship for all the claims in this application is:  
☒ the same
5. **Language**  
☒ English
6. **Assignment**  
☒ An assignment of the invention to **The Regents Of The University of Michigan** is attached.  
☒ Form PTO-1595 will follow.
7. **Fee Calculation (37 C.F.R. § 1.16)**  
☒ Regular application

CLAIMS AS FILED

Number Filed	Number Extra	Rate	Basic Fee - \$770.00 (37 C.F.R. § 1.16(a))
Total Claims (37 C.F.R. § 1.16(c))	31 - 20 =	11 × \$18.00 =	\$198.00
Independent Claims (37 C.F.R. § 1.16(b))	4 - 3 =	1 × \$86.00 =	\$86.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))	+ \$290.00 =		\$0.00

**Filing Fee Calculation** \$1054.00

8. **Small Entity Statement(s)**  
☒ Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.  
**Filing Fee Calculation (50% of above)** \$527.00

9. Fee Payment Being Made At This Time

- ☒ Enclosed  
☒ basic filing fee

\$527.00

Total Fees Enclosed

\$527.00

10. Method of Payment of Fees

- ☒ Check in the amount of \$527.00

11. Authorization To Charge Additional Fees and Credit Overpayment

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

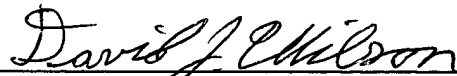
12. Power of Attorney by Assignee

- ☒ Enclosed

13. Return Receipt Postcard

- ☒ Enclosed

Dated: October 3, 2003



David J. Wilson  
Registration No.: 45,225

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☒ Statement Where No Further Pages Added

- ☒ This transmittal ends with this page.